

Amendments to the Claims

The following listing of claims replaces all prior listings, and all prior versions, of claims in the application.

Listing of Claims

1. (currently amended) A filter unit (10) for filtering light, having a first mask (3) and a prism unit (7), characterized in that wherein the first mask (3) exhibits a plurality of first apertures; that wherein there is a second mask (8) having second apertures, the prism unit (7) being arranged between the two masks (3, 8); that the first mask (3) and the second mask (8) exhibit exhibiting corresponding first and second apertures and form forming an aperture pair; and that wherein there is a prism in the prism unit (7) for at least one aperture pair.

2. (currently amended) Filter unit (10) according to Claim 1, characterized in that wherein for each first aperture in the first mask (3) there is at least one second aperture in the second mask (8).

3. (currently amended) Filter unit (10) according to Claim 1 or 2, characterized in that, wherein the first mask (3) is fixed relative to the prism unit (7) and the second mask (8), in relation to one of the first mask (3) or in relation to and the prism unit (7), is displaceable substantially laterally with respect to the first mask (3) with the aid of at least one displacement unit (4, 6).

4. (currently amended) Filter unit (10) according to Claim 1 or 2, characterized in that, wherein the first mask (3) is fixed relative to the second mask (8) and the prism unit (7), in relation to one of the first mask (3) or in relation to and the second mask (8), is displaceable substantially laterally with respect to the second mask (8) with the aid of at least one displacement unit (4, 6).

5. (currently amended) Filter unit (10) according to Claim 3 or 4,  
~~characterized in that wherein~~ the at least one displacement unit (4, 6) is  
arranged to the side of the unit (7, 8) to be displaced.

6. (currently amended) Filter unit (10) according to ~~one of Claims 3 to~~  
~~5, characterized in that Claim 3, wherein~~ the at least one displacement unit (4,  
6) comprises a piezounit.

7. (currently amended) Filter unit (10) according to ~~one of Claims 3 to~~  
~~5, characterized in that Claim 3, wherein~~ there are two displacement units (4,  
6), one being a piezoelement and the other being a viscous spring element.

8. (currently amended) Filter unit (10) according to ~~one of Claims 3 to~~  
~~5, characterized in that Claim 3, wherein~~ the at least one displacement unit (4,  
6) ~~comprises is selected from the group consisting of a microstepper or motor~~  
~~and a microlinear motor.~~

9. (currently amended) Filter unit (10) according to ~~one of Claims 1 to~~  
~~8, characterized in that Claim 1, wherein~~ the prism unit (7) is made of ~~one or~~  
~~more of the following substances or materials: at least one of the substances~~  
~~selected from the group consisting of:~~

- glass;
- crystalline NaCl;
- polymers;
- crystals;
- precious stones such as for example including diamonds;
- quartzes;
- neodymium.

10. (currently amended) Filter unit (10) according to Claim 9,  
~~characterized in that individual prisms are wherein said prism in the prism unit~~  
~~is ground or etched into the glass.~~

11. (currently amended) Filter unit (10) according to ~~one of Claims 1 to 8, characterized in that Claim 1, wherein~~ the prism unit (7) is made of a polymer.

12. (currently amended) Filter unit (10) according to ~~one of Claims 1 to 11, characterized in that Claim 1, wherein~~ the first mask and the second mask (3, 8) are selected from the group consisting of slit masks or and hole masks.

13. (currently amended) Filter unit (10) according to ~~one of Claims 1 to 12, characterized in that Claim 12, wherein~~ the side walls of the slit masks forming the slits ~~or and~~ the side walls of the hole masks forming the holes are one of conically shaped or and in the shape of a truncated cone.

14. (currently amended) Filter unit (10) according to Claim 13, ~~characterized in that wherein~~ the first mask (8) exhibits first apertures that are smaller on the side of the prism unit (7) than on the opposite side.

15. (currently amended) Filter unit (10) according to Claim 12 ~~or 13, characterized in that wherein~~ the second mask (3) exhibits second apertures that are smaller on the side of the prism unit (7) than on the opposite side.

16. (currently amended) An arrangement having a filter unit (10) of ~~one of Claims 1 to 15 for filtering light, having a first mask and a prism unit, wherein the first mask exhibits a plurality of first apertures; wherein there is a second mask having second apertures, the prism unit being arranged between the two masks; the first mask and the second mask exhibiting corresponding first and second apertures and forming an aperture pair; and wherein there is a prism in the prism unit for at least one aperture pair and having said arrangement further including a photosensitive layer (2), the photosensitive layer (2) being arranged adjacent to the second mask (3).~~

17. (currently amended) The arrangement of Claim 16, characterized in that ~~wherein~~ the photosensitive layer (2) comprises ~~one or more at least one of phototransistors or one or more and~~ image sensors.

18. (currently amended) The arrangement of Claim 17, characterized in that wherein the photosensitive layer (2) comprises an image sensor of the CCD (charge-coupled device)charge-coupled device type.

19. (currently amended) An apparatus for acquiring images, characterized in that there are comprising: a first mask (3) having first apertures, a prism unit (7) and a photosensitive layer (2), the prism unit (7) being arranged between the first mask (3) and the photosensitive layer (2), and that the photosensitive layer (2) comprehends comprehending at least three regions in which the incident light is measurable, the light falling on the at least three regions originating from the same first aperture.

20. (currently amended) Apparatus according to Claim 19, characterized in that wherein red light is measurable in a first region, green light in a second region, and blue light in a third region.

21. (currently amended) Apparatus according to Claim 19 or 20, characterized in that, wherein the first mask (3) is of the hole mask type.

22. (currently amended) Apparatus according to ~~one of Claims 19 to 21~~, characterized in that Claim 19, wherein light is measurable in a further region into which ultraviolet light falls.

23. (currently amended) Apparatus according to ~~one of Claims 19 to 22~~, characterized in that Claim 19, wherein light is measurable in a further region into which infrared light falls.

24. (currently amended) Apparatus according to ~~one of Claims 19 to 23~~, characterized in that the Claim 19, wherein the first mask (3) is of the mask type with side walls of the hole masks forming the holes as said first apertures in the form a truncated cone.

25. (currently amended) Apparatus according to Claim 24,  
~~characterized in that wherein the first mask (8) exhibits first apertures of the~~  
~~first mask (8) that~~ are smaller on the side of the prism unit (7) than on the  
opposite side.